

PRO/019/008  
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September 11, 1986

TO: File

FROM: Lynn Kunzler, Reclamation Biologist *hy*

RE: MRP Review of Kearl-Sanders Company, Dolores #5 Mine,  
PRO/019/008, Grand County, Utah

Rule M-3(2)(e) - LK

The proposed seed mix does to meet the criteria of this section in that the species selected will not provide a quick, permanent protective cover in that they are slow to establish. It is recommended that the following species be added to provide a quick cover to protect against erosion:

<u>Species</u>	<u>Rate*</u>
GRASSES	
<u>Agropyron riparium</u>	3.0
Streambank Wheatgrass	
<u>Elymus Junceus</u>	
Russian wildrye	2.0
FORBS	
<u>Melilotus officinalis</u>	1.0
Yellow sweetclover	
<u>Penstemon palmeri</u>	.25
Palmer penstemon	

\* Rate is pounds pure live seed for drill seeding. Double rate for broadcast seeding. These species could also be used to stabilize topsoil stockpiles.

Please provide specific plans for revegetation. I. E., will seed be drilled or broadcast? What type of mulch will be used and rate of application? How will it be anchored? What season (time of year) will seeding occur? It is recommended that a hay mulch be used at 1.5 ton per acre and crimped into the soil. Seeding should take place as late in the fall as possible (late October-November).

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Rule M-10(12) - LK

During a site visit on August 21, 1986 by Division personnel several transects were sampled to determine the level of vegetation cover to establish the revegetation success standard. The results of this sampling revealed a net vegetation cover of 21% (cover contributed by weedy species was not included). This must be incorporated into the mine plan (Item 20 on Form MR-1 page 6).

jvb  
cc: W. Hedberg  
J. Leatherwood  
0308R-32